



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

June 23, 2017

CONTRACT: DB00344
WBS ELEMENT: 17BP.2.R.75
COUNTY: Beaufort
ROUTE: SR 1414
DESCRIPTION: Grading, Paving , Drainage, and Structures

ADDENDUM 1

TO: PROSPECTIVE BIDDERS

Please note the following revision to the proposal.

- Project Special Provisions for Utility Construction
- Revised Bid Items to add Lines 063-069 for Utility Construction as shown on page 20 of the plans.
- A revised electronic file has been uploaded to bid express and the bid letting website named "DB00344.001".

Please make sure to sign the addendum page in the proposal to acknowledge this addendum.

Sincerely,

DocuSigned by:

Mary Voelker Moore

714C11DCCEBC4C6...

Mary Voelker Moore, PE
Division Contract Engineer

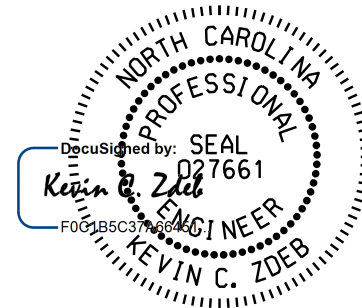
cc: Mr. Ed Eatmon, PE
Mr. Hon Yeung, PE
Mr. Cadmus Capehart, PE
Mr. William Kincannon, PE
Ms. Claudia Wainwright

Project: 17BP.2.R.75

UC-1

County: BEAUFORT

PROJECT SPECIAL PROVISIONS
Utility Construction



2017-03-29

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

Revise the 2012 Standard Specifications as follows:

Page 10-58, Sub-article 1036-1 General

Add the following sentence:

All materials in contact with potable water shall be in conformance with Section 1417 of the Safe Drinking Water Act.

Page 10-58, Sub-article 1036-3-B Polyethylene (PE) Pipe

Replace paragraph with the following sentences:

Use HDPE water pipe manufactured from PE-3608 material with wall thickness DR-9 in ductile iron pipe size that conforms to AWWA C906 with a minimum pressure class of 200 psi.

Page 15-1, Sub-article 1500-2 Cooperation with the Utility Owner, paragraph 2:

Add the following sentences:

The utility owner is the Beaufort County Water Department. The contact person is Erick Jennings and he can be reached by phone at 252-975-0720.

Page 15-2, Sub-article 1500-7 Submittals and Records

Replace the paragraph beginning on line 26 with the following:

Provide *surveyed* as-built plans of the installed utility. The plans shall include notations of the size and type material installed, *GPS coordinates of all fittings* and utility controls and horizontal and vertical locations of the piping. *Provide boring logs from trenchless installations.* Provide 2 copies to the utility owner and 2 copies to the Engineer *at the end of the project.*

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Page 15-2, Sub-article 1500-9 Placing Pipelines into Service

Add the following sentence:

Obtain approval from the NCDENR-Public Water Supply Section prior to placing a new water line into service. Use backflow prevention assemblies for temporary connections to isolate new water lines from existing water line.

Page 15-5, Sub-article 1510-2 Materials

After line 25 add the following sentences:

Do not use stranded wire. Tracer wire must be attached to all newly installed pipe as required by NC General Statutes Chapter 87-121G. Beaufort County will conduct a continuity test on all tracer wire after installation.

Page 15-6, Sub-article 1510-3 (B), Testing and Sterilization

Change the allowable leakage formula to:

$$W = LD\sqrt{P} \div 148,000$$

Page 15-6, Sub-article 1510-3 (B), Testing and Sterilization, sixth paragraph:

Replace the paragraph with the following:

Sterilize water lines in accordance with Section 1003 of The Rules Governing Public Water supply and AWWA C651 Section 4.4.3, the Continuous Feed Method. Provide a chlorine solution with between 50 parts per million and 100 parts per million in the initial feed. If the chlorine level drops below 10 parts per million during a 24 hour period, then flush, refill with fresh chlorine solution, and repeat for 24 hours. Provide certified bacteriological and contaminant test results from a state-approved or state-certified laboratory. Operate all valves and controls to assure thorough sterilization.

Page 15-6, Sub-article 1510-3 (B), Testing and Sterilization, seventh paragraph:

Delete the words “may be performed concurrently or consecutively.”
and replace with “shall be performed consecutively.”

Page 15-6, Sub-article 1510-3 (B), Testing and Sterilization

After line 16 add the following sentences:

Beaufort County will collect all bacteriological samples for this project. A Beaufort County representative shall be present for the pressure test, chlorination, and flushing of all new water lines.

After line 39 add the following sentence:

A temporary blow-off shall be installed for the purpose of discharging super-chlorinated water.

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Page 15-7, sub-article 1515-2 Materials,

replace paragraph beginning “Double check valves...” with the following:

Double Check valves (DCV) and Reduced Pressure Zone principal (RPZ) backflow prevention assemblies shall be listed on the University of Southern California Foundation for Cross-Connection Control and Hydraulic Research list of approved backflow devices.

Page 15-7, Article 1510-4 MEASUREMENT AND PAYMENT, add the following paragraph after line 7:

The quantity of *Ductile Iron Water Pipe Fittings* will be measured and paid per pound based on the published weights for ductile iron fittings, exclusive of the weights of any accessories, as listed in the “DI Fittings Weight Chart” located at the NCDOT Utilities web site. If the Contractor elects to use compact ductile iron water pipe fittings, measurement will be based on the weight of standard size ductile iron water pipe fittings. Any fitting not listed will be measured based on the published weights for ductile iron fittings listed in ANSI/AWWA C-110/A21.10. This is limited to pressure pipe 4 inches or larger.

Page 15-7, Article 1510-4 MEASUREMENT AND PAYMENT, add the following pay item:

Pay Item	Pay Unit
Ductile Iron Water Pipe Fittings	Pound

Page 15-9, Article 1515-4 MEASUREMENT AND PAYMENT, line 28, delete “fittings”.

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0029000000-N	SP	REINFORCED BRIDGE APPROACH FILL, STATION ***** (-L-STA.13+86)	Lump Sum	L.S.	
0004	0043000000-N	226	GRADING	Lump Sum	L.S.	
0005	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUB- BING	1 ACR		
0006	0318000000-E	300	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES	10 TON		
0007	0320000000-E	300	FOUNDATION CONDITIONING GEO- TEXTILE	10 SY		
0008	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	16 LF		
0009	1330000000-E	607	INCIDENTAL MILLING	115 SY		
0010	1489000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0B	275 TON		
0011	1525000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	180 TON		
0012	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	25 TON		
0013	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	1 EA		
0014	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	1 EA		
0015	2556000000-E	846	SHOULDER BERM GUTTER	32 LF		
0016	3030000000-E	862	STEEL BM GUARDRAIL	62.5 LF		
0017	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5 EA		
0018	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	4 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0019	3270000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE 350	4 EA		
0020	3649000000-E	876	RIP RAP, CLASS B	6 TON		
0021	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	210 SY		
0022	6000000000-E	1605	TEMPORARY SILT FENCE	595 LF		
0023	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	65 TON		
0024	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	45 TON		
0025	6012000000-E	1610	SEDIMENT CONTROL STONE	20 TON		
0026	6015000000-E	1615	TEMPORARY MULCHING	0.5 ACR		
0027	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	100 LB		
0028	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED-ING	0.5 TON		
0029	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0030	6029000000-E	SP	SAFETY FENCE	600 LF		
0031	6030000000-E	1630	SILT EXCAVATION	30 CY		
0032	6036000000-E	1631	MATting FOR EROSION CONTROL	1,275 SY		
0033	6037000000-E	SP	COIR FIBER MAT	100 SY		
0034	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	100 SY		
0035	6042000000-E	1632	1/4" HARDWARE CLOTH	25 LF		
0036	6048000000-E	SP	FLOATING TURBIDITY CURTAIN	175 SY		
0037	6071010000-E	SP	WATTLE	90 LF		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0038	6071013000-E	SP	WATTLE BARRIER	100 LF		
0039	6071020000-E	SP	POLYACRYLAMIDE (PAM)	10 LB		
0040	6084000000-E	1660	SEEDING & MULCHING	0.5 ACR		
0041	6087000000-E	1660	MOWING	0.5 ACR		
0042	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0043	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0044	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50 LB		
0045	6108000000-E	1665	FERTILIZER TOPDRESSING	0.5 TON		
0046	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0047	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	13 EA		
0048	6123000000-E	1670	REFORESTATION	0.1 ACR		
0049	6132000000-N	SP	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE	2 EA		
0050	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (-L-STA. 13+86)	Lump Sum	L.S.	
0051	8112730000-N	450	PDA TESTING	1 EA		
0052	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (-L-STA.13+86)	Lump Sum	L.S.	
0053	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	43.6 CY		
0054	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (-L- STA 13+86)	Lump Sum	L.S.	
0055	8217000000-E	425	REINFORCING STEEL (BRIDGE)	5,272 LB		
0056	8364000000-E	450	HP12X53 STEEL PILES	1,050 LF		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0057	8393000000-N	450	PILE REDRIVES	14 EA		
0058	8505000000-E	460	VERTICAL CONCRETE BARRIER RAIL	140.25 LF		
0059	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	210 TON		
0060	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	200 SY		
0061	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0062	8763000000-E	430	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS	770 LF		
0063	8860000000-N	SP	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT	Lump Sum	L.S.	
063	5325400000-E	1510	4" WATER LINE	176 LF		
064	5325600000-E	1510	6" WATER LINE	252 LF		
065	5329000000-E	SP	DUCTILE IRON WATER PIPE FITTINGS	320 LB		
066	5871400000-E	1550	TRENCHLESS INSTALLATION OF 6" IN SOIL	126 LF		
067	5871410000-E	1550	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL	126 LF		
068	5798000000-E	1530	ABANDON *** UTILITY PIPE 4"	10 LF		
069	5800000000-E	1530	ABANDON 6" UTILITY PIPE	414 LF		

1013/Jun23/Q13749.2/D360817583000/E70

Total Amount Of Bid For Entire Project :